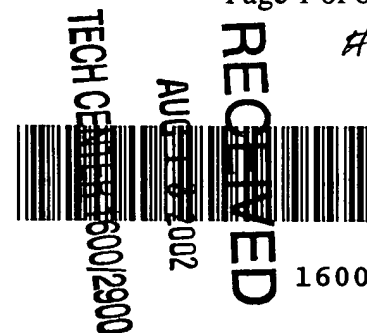


#10

1648



RAW SEQUENCE LISTING

DATE: 08/08/2002

PATENT APPLICATION: US/09/674,014

TIME: 10:29:48

Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\08082002\I674014.raw

p.6

4 <110> APPLICANT: Perlan Therapeutics
 5 Fang, Fang
 7 <120> TITLE OF INVENTION: Identifying Ligands of Target Proteins With Target
 8 Complementary Library Technology (TCLT)
 10 <130> FILE REFERENCE: 014357-0278746
 12 <140> CURRENT APPLICATION NUMBER: 09/674,014
 13 <141> CURRENT FILING DATE: 2001-02-08
 15 <150> PRIOR APPLICATION NUMBER: WO PCT/US99/06537
 16 <151> PRIOR FILING DATE: 1999-04-19
 18 <150> PRIOR APPLICATION NUMBER: US 60/083,046
 19 <151> PRIOR FILING DATE: 1998-04-24
 21 <160> NUMBER OF SEQ ID NOS: 27
 23 <170> SOFTWARE: PatentIn Ver. 2.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 15
 27 <212> TYPE: RNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: sense strand of
 32 target gene
 34 <400> SEQUENCE: 1
 36 cuuuguuuucu uuuuu
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 4
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Artificial Sequence
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: sense strand of
 45 target gene encoded peptide
 47 <400> SEQUENCE: 2
 49 Leu Val Leu Phe
 50 1
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 4
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Description of Artificial Sequence: anti-sense
 60 peptide encoded by anti-sense strand
 62 <400> SEQUENCE: 3
 64 Lys Lys Asn Lys
 65 1
 68 <210> SEQ ID NO: 4

ENTERED

15

RAW SEQUENCE LISTING

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DATE: 08/08/2002

TIME: 10:29:48

Input Set : A:\Sequence listing.txt

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69 <211> LENGTH: 12
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: anti-sense
75     strand
77 <400> SEQUENCE: 4
79 aaaaagaaca ag                                12
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 4
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: anti-sense
88     peptide encoded by anti-sense strand
90 <400> SEQUENCE: 5
92 Glu Gln Glu Lys
93     1
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 12
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence: anti-sense
103     strand
105 <400> SEQUENCE: 6
107 gaacaagaaa aa                                12
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 20
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
117     degenerate BglI deoxyoligonucleotide fragment
119 <220> FEATURE:
120 <221> NAME/KEY: modified_base
121 <222> LOCATION: (1)..(20)
122 <223> OTHER INFORMATION: phosphoramidite nucleotides
124 <400> SEQUENCE: 7
126 ctgtcagggc ccgaggggct                        20
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 22
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
136     degenerate BglI deoxyoligonucleotide fragment
138 <220> FEATURE:
139 <221> NAME/KEY: modified_base

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,014

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TIME: 10:29:48

Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\08082002\I674014.raw

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140 <222> LOCATION: (1)..(22)
141 <223> OTHER INFORMATION: phosphoramidite nucleotides
143 <400> SEQUENCE: 8
144 ggggccgctg cggcctgtca gg                22
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 5
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: ICAM-1 domain
154     D1 residues 1-5 peptide target for human
155     rhinovirus (HRV)
157 <400> SEQUENCE: 9
159 Gln Thr Ser Val Ser
160   1           5
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 6
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: ICAM-1 domain
170     D1 residues 24-29 peptide target for human
171     rhinovirus (HRV)
173 <400> SEQUENCE: 10
175 Ser Cys Asp Gln Pro Lys
176   1           5
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 10
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: ICAM-1 domain
186     D1 residues 40-49 peptide target for human
187     rhinovirus (HRV)
189 <400> SEQUENCE: 11
191 Lys Glu Leu Leu Leu Pro Gly Asn Asn Arg
192   1           5           10
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 8
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: ICAM-1 domain
202     D1 residues 70-77 peptide target for human
203     rhinovirus (HRV)
205 <400> SEQUENCE: 12
207 Pro Asp Gly Gln Ser Thr Ala Lys
208   1           5
211 <210> SEQ ID NO: 13

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,014

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Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\08082002\I674014.raw

212 <211> LENGTH: 14
 213 <212> TYPE: PRT
 214 <213> ORGANISM: Artificial Sequence
 216 <220> FEATURE:
 217 <223> OTHER INFORMATION: Description of Artificial Sequence: general
 218 sequence of framework 2 (FR2) region from V-H1
 219 family heavy chain
 221 <220> FEATURE:
 222 <221> NAME/KEY: MOD_RES
 223 <222> LOCATION: (3)
 224 <223> OTHER INFORMATION: Xaa = Arg or Gln
 226 <220> FEATURE:
 227 <221> NAME/KEY: MOD_RES
 228 <222> LOCATION: (6)
 229 <223> OTHER INFORMATION: Xaa = Pro, His or Thr
 231 <220> FEATURE:
 232 <221> NAME/KEY: MOD_RES
 233 <222> LOCATION: (7)
 234 <223> OTHER INFORMATION: Xaa = Gly or Ala
 236 <220> FEATURE:
 237 <221> NAME/KEY: MOD_RES
 238 <222> LOCATION: (8)
 239 <223> OTHER INFORMATION: Xaa = Lys or Gln
 241 <220> FEATURE:
 242 <221> NAME/KEY: MOD_RES
 243 <222> LOCATION: (9)
 244 <223> OTHER INFORMATION: Xaa = Gly, Glu, Arg or Ala
 246 <220> FEATURE:
 247 <221> NAME/KEY: MOD_RES
 248 <222> LOCATION: (11)
 249 <223> OTHER INFORMATION: Xaa = Glu or Gly
 251 <220> FEATURE:
 252 <221> NAME/KEY: MOD_RES
 253 <222> LOCATION: (13)
 254 <223> OTHER INFORMATION: Xaa = Met or Ile
 256 <400> SEQUENCE: 13
 258 Trp Val Xaa Gln Ala Xaa Xaa Xaa Xaa Leu Xaa Trp Xaa Gly
 259 1 5 10
 262 <210> SEQ ID NO: 14
 263 <211> LENGTH: 14
 264 <212> TYPE: PRT
 265 <213> ORGANISM: Artificial Sequence
 267 <220> FEATURE:
 268 <223> OTHER INFORMATION: Description of Artificial Sequence: general
 269 sequence of framework 2 (FR2) region from V-H2
 270 family heavy chain
 272 <400> SEQUENCE: 14
 274 Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu Trp Leu Ala
 275 1 5 10

RAW SEQUENCE LISTING

DATE: 08/08/2002

PATENT APPLICATION: US/09/674,014

TIME: 10:29:48

Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\08082002\I674014.raw

278 <210> SEQ ID NO: 15
 279 <211> LENGTH: 14
 280 <212> TYPE: PRT
 281 <213> ORGANISM: Artificial Sequence
 283 <220> FEATURE:
 284 <223> OTHER INFORMATION: Description of Artificial Sequence: general
 285 sequence of framework 2 (FR2) region from V-H3
 286 family heavy chain
 288 <220> FEATURE:
 289 <221> NAME/KEY: MOD_RES
 290 <222> LOCATION: (2)
 291 <223> OTHER INFORMATION: Xaa = Val or Ile
 293 <220> FEATURE:
 294 <221> NAME/KEY: MOD_RES
 295 <222> LOCATION: (3)
 296 <223> OTHER INFORMATION: Xaa = Arg or His
 298 <220> FEATURE:
 299 <221> NAME/KEY: MOD_RES
 300 <222> LOCATION: (6)
 301 <223> OTHER INFORMATION: Xaa = Pro or Gln
 303 <220> FEATURE:
 304 <221> NAME/KEY: MOD_RES
 305 <222> LOCATION: (10)
 306 <223> OTHER INFORMATION: Xaa = Leu or Pro
 308 <220> FEATURE:
 309 <221> NAME/KEY: MOD_RES
 310 <222> LOCATION: (11)
 311 <223> OTHER INFORMATION: Xaa = Glu or Val
 313 <220> FEATURE:
 314 <221> NAME/KEY: MOD_RES
 315 <222> LOCATION: (12)
 316 <223> OTHER INFORMATION: Xaa = Trp, Tyr or Leu
 318 <220> FEATURE:
 319 <221> NAME/KEY: MOD_RES
 320 <222> LOCATION: (14)
 321 <223> OTHER INFORMATION: Xaa = Ser, Ala or Gly
 323 <400> SEQUENCE: 15
 325 Trp Xaa Xaa Gln Ala Xaa Gly Lys Gly Xaa Xaa Xaa Val Xaa
 326 1 5 10
 329 <210> SEQ ID NO: 16
 330 <211> LENGTH: 14
 331 <212> TYPE: PRT
 332 <213> ORGANISM: Artificial Sequence
 334 <220> FEATURE:
 335 <223> OTHER INFORMATION: Description of Artificial Sequence: general
 336 sequence of framework 2 (FR2) region from V-H4
 337 family heavy chain
 339 <220> FEATURE:
 340 <221> NAME/KEY: MOD_RES

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,014

DATE: 08/08/2002
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Input Set : A:\Sequence listing.txt
Output Set: N:\CRF3\08082002\I674014.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; Xaa Pos. 3,6,7,8,9,11,13
Seq#:15; Xaa Pos. 2,3,6,10,11,12,14
Seq#:16; Xaa Pos. 2
Seq#:17; Xaa Pos. 9
Seq#:19; Xaa Pos. 8,9
Seq#:20; Xaa Pos. 10
Seq#:21; Xaa Pos. 5,10
Seq#:23; N Pos. 10,11,12,13,14,15
Seq#:25; N Pos. 13,14,15,16,17,18